

Table KTI-2

## Annual rates of change in U.S. KTI value added and GDP: 2002–20

(Percent)

Industry	ISIC, Rev.4, industry code	Longer-term trends			Recent years				
		2002–05	2005–10	2010–15	2015–16	2016–17	2017–18	2018–19	2019–20
GDP		6.1	2.9	3.9	2.7	4.2	5.4	4.1	-2.2
All KTI industries		4.5	4.3	4.9	4.1	5.0	7.3	5.7	2.2
Manufacturing		3.8	3.0	3.3	1.8	3.5	4.7	2.6	-2.2
Chemicals and chemical products	20	2.6	7.6	1.5	7.0	1.1	4.7	-0.8	-4.3
Pharmaceuticals	21	2.1	4.8	2.4	7.3	2.3	2.1	10.2	7.0
Computer, electronic, and optical products	26	6.9	2.6	2.2	0.3	4.4	8.9	1.0	3.1
Electrical equipment	27	-0.4	3.3	4.6	-8.2	4.0	7.1	-0.1	-2.2
Machinery and equipment nec	28	5.0	2.1	3.6	-5.7	6.7	5.2	3.5	-6.1
Motor vehicles, trailers, and semi-trailers	29	0.2	-8.1	10.5	6.2	2.0	-0.6	0.8	-2.3
Air and spacecraft and related machinery	303	7.2	6.9	4.6	-2.3	6.3	4.4	5.5	-24.0
Railroad, military vehicles, and transport nec	302, 304, and 309	8.2	3.7	2.3	6.6	-16.6	-1.2	-4.1	3.4
Medical and dental instruments	325	4.2	7.6	-0.7	6.8	4.8	4.4	2.2	10.1
Services		6.3	7.1	7.6	7.6	7.3	11.1	9.9	7.7
IT and other information services	62 - 63	6.5	8.0	8.4	10.0	7.0	11.4	9.9	4.4
Software publishing	582	11.3	7.8	7.3	7.4	10.7	10.7	10.9	14.1
Scientific research and development	72	1.4	3.6	5.3	-1.7	2.8	10.1	8.4	12.1

GDP = gross domestic product; ISIC, Rev.4 = International Standard Industrial Classification, Revision 4; IT = information technology; KTI = knowledge and technology intensive; nec = not elsewhere classified.

**Note(s):**

*Value added* is a net measure of output; it is the difference between the value of goods and services produced by an industry (gross output) and the total cost of intermediate inputs that were used in production, including energy, materials, and services purchased from other businesses. *Industry value added* is a measure of an industry's contribution to overall GDP. KTI industries include high R&D intensive and medium-high R&D intensive industries based on a classification by the Organisation for Economic Co-operation and Development. The data have been crosswalked to the ISIC, Rev.4, classification. See the Technical Appendix for the crosswalking method and Table SKTI-1 for historical data on these industries. Longer-term trend rates are calculated as compound annual growth rates.

**Source(s):**

U.S. Bureau of Economic Analysis, Value Added by Industry, accessed 5 October 2021.

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